

Converting Colors

XYZ(49.9274, 49.3709, 35.6599)

Have a look what the booklet for
XYZ(49.9274, 49.3709, 35.6599)
contains.

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Color

**XYZ(49.8506, 49.2916,
35.7410)**

Conversions

Conversions Part 1

Format	Color
Hex	D7B496
RGB	215, 180, 150
RGB Percent	84%, 71%, 59%
CMY	0.1569, 0.2941, 0.4118
CMYK	0.00, 0.16, 0.30, 0.16
HSL	28°, 45%, 72%
HSV	28°, 30%, 84%
XYZ	49.8506, 49.2916, 35.7410
YIQ	187.0450, 30.4900, -1.9100

Conversions

Conversions Part 2

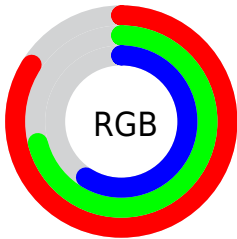
Format	Color
R_{YB}	215, 206, 150
Decimal	14136470
CIE Lab	75.63, 8.26, 20.02
CIE LCh	76, 21.659, 67.588
Yxy	49.2916, 0.3696, 0.3654
Android (android.graphics.Color)	4292326550 (0xFFD7B496)
YUV	187.0450, -18.2632, 24.5165
Hunter-Lab	70.2080, 3.8785, 18.9626

Details

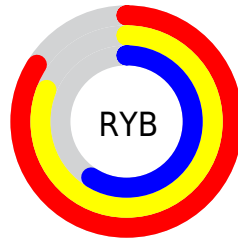
The XYZ color **49.8506, 49.2916, 35.7410** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **42.1919, 46.0868, 70.9620**, and the grayscale version is **47.3483, 49.8141, 54.2475**.

A 20% lighter version of the original color is **82.1345, 85.6105, 69.3223**, and **24.1396, 23.4505, 15.0585** is the 20% darker color. If you saturate the color by 10%, you get **46.0359, 44.1832, 26.6974**, and if you desaturate by 10%, it is **54.1807, 54.9220, 46.5246**.

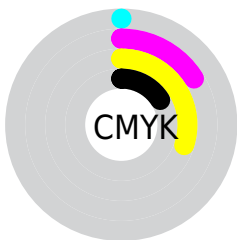
Distribution



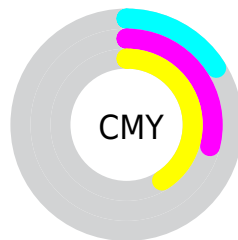
- Red (84%)
- Green (71%)
- Blue (59%)



- Red (84%)
- Yellow (81%)
- Blue (59%)



- Cyan (0%)
- Magenta (16%)
- Yellow (30%)
- Black (16%)





- Cyan (16%)
- Magenta (29%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8506, 49.2916, 35.7410 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 49.8506, 49.2916, 35.7410 by changing the saturation by 10% instead.


 49.8506, 49.2916,
35.7410

 49.8506, 49.2916,
35.7410


376.5431,
383.8892, 342.8302

 35.5120, 34.8509,
23.9461


 89.1466, 89.1244,
69.7967

 24.2259, 23.5480,
15.0818


 114.8348,
115.2852, 92.8945

 15.6269, 14.9987,
8.7296


145.0368,
146.1215, 120.5971

 9.3497, 8.8185,
4.4708

180.1181,
182.0177, 153.3230

 5.0289, 4.6230,
1.8870

220.4441,
223.3582, 191.4907

 2.2992, 2.0278,
0.4845

266.3800,

 0.7942, 0.6235,

270.5273, 235.5188

0.0000

318.2912,
323.9095, 285.8258

■ 0.0000, 0.0000,
0.0000

■ 49.8506, 49.2916,
35.7410

■ 49.8506, 49.2916,
35.7410

■ 46.0359, 44.1832,
26.6974

■ 54.1807, 54.9220,
46.5246

■ 42.7107, 39.5734,
19.2977

■ 59.0431, 61.0832,
59.1313

■ 39.8522, 35.4472,
13.4407

■ 64.4583, 67.7922,
73.6426

■ 37.4340, 31.7857,
9.0130

■ 70.4449, 75.0632,
90.1339

■ 35.4266, 28.5685,
5.8849

■ 76.6147, 82.7478,
106.5416

■ 33.7955, 25.7728,
3.9030

■ 80.0918, 89.7019,
107.7007

■ 32.5095, 23.4174,
2.8066

■ 81.8344, 93.1871,
108.2815

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.2269, 49.2916, 41.3004



49.8506, 49.2916, 35.7410



45.8398, 49.2916, 34.6287

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.8506, 49.2916, 35.7410



39.6180, 49.2916, 56.6381



51.7106, 49.2916, 73.1305

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49.8506, 49.2916, 35.7410



42.1919, 46.0868, 70.9620

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.8753, 49.2916, 78.6583



49.8506, 49.2916, 35.7410



41.0043, 49.2916, 68.2919

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.8506, 49.2916, 35.7410



40.0801, 49.2916, 45.6866



43.9726, 49.2916, 76.7718



54.3427, 49.2916, 62.5335

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.8506, 49.2916, 35.7410



43.3707, 49.2916, 36.3873



43.9726, 49.2916, 76.7718



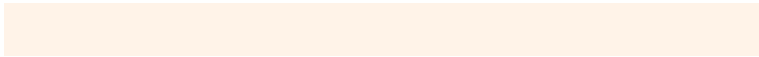
50.5110, 49.2916, 75.7072

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49.8519, 49.2939, 35.7420



87.7567, 90.9773, 89.3163



47.7674, 39.7949, 51.4791



18.5449, 19.1742, 18.4869



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.8519, 49.2939, 35.7420



69.8381, 67.8501, 44.1599



57.0106, 63.6113, 38.1283



12.8909, 13.3561, 13.0593



19.5482, 14.2137, 1.7132



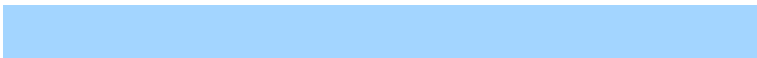
1.2613, 1.0219, 0.1308

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



42.1919, 46.0868, 70.9620



56.8951, 62.4274, 103.6587



36.2762, 34.2554, 68.9901



12.2909, 13.1051, 15.8193



11.1622, 10.5861, 39.9082



0.7557, 0.8034, 2.4345

Previews

White Background



This preview shows how the XYZ color 49.8506, 49.2916, 35.7410 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 49.8506, 49.2916, 35.7410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

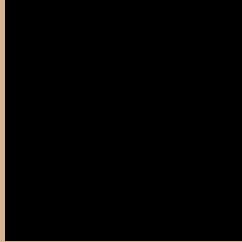
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8506, 49.2916, 35.7410

Background



This preview shows how black text looks on a background with the XYZ color 49.8506, 49.2916, 35.7410.



This preview shows how white text looks on a background with the XYZ color 49.8506, 49.2916,

35.7410.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

49.8506, 49.2916, 35.7410

Protanopia

46.3346, 49.2880, 37.2084

Deuteranopia

50.2404, 49.1939, 35.7016



Tritanopia

53.6205, 49.3509, 54.2765

Trichromacy



Original Color

49.8506, 49.2916, 35.7410

Protanomaly

47.7098, 49.3853, 36.7235

Deuteranomaly

49.9440, 49.0411, 35.6877

Tritanomaly

52.2756, 49.4057, 46.8254

Monochromacy



Original Color

49.8506, 49.2916, 35.7410

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.8064, 49.2073, 47.0227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8506, 49.2916, 35.7410 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(215, 180, 150)` looks like.

```
.text, #text, p{  
    color:rgb(215, 180, 150)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(215, 180, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 180, 150) }
```

Border

The CSS property to change the border of an element to XYZ 49.8506, 49.2916, 35.7410 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 180, 150) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(215, 180, 150) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(215, 180, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 180, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 180, 150);  
box-shadow:4px 4px 4px 4px rgb(215, 180,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8506, 49.2916, 35.7410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 180, 150) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(215,  
180, 150) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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